

**SEEDING A PARTIALLY RECLAIMED MARSH.**

BROOKLYN, Mich., Feb. 7, '90.

To the Editor of the Michigan Farmer.

I have a piece of land that was sown to timothy last fall which I wish to seed in the spring. It was a willow swamp and is fairly drained. I have sown timothy seed a number of times on this piece of land but not with good results. The muck is too deep on a part of it for timothy. Will the editor or some of the many subscribers please tell me through the Farmer the kind of seed best to sow?

\*  
AN OLD SUBSCRIBER.

If timothy has not succeeded well during the last two dry seasons, it is very probable that it will not do anything in an ordinary year. While some other grasses may do better, such as foul meadow grass or red top, it looks as if there was yet too much moisture in the land, and further drainage will be necessary. If this is not the case, the trouble comes from the condition of the muck. An application of unleached ashes would undoubtedly be of great assistance in getting the land seeded down.

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**Who Has Black Oats?**

To the Editor of the Michigan Farmer.

One of your subscribers, Mr. T. B. Cook-

Illinois crop statistics show farmers of that State produced 24

BLUE GRASS.

of their business, and things pertaining to it. It would be an injustice here not to give agricultural colleges and papers credit for the

responsibility for so much of fraud, appeals to base motives and corrupt legislation is with those who assume to be the educated, and in

gence among farmers would help greatly in solving the problem now presented to the

other times, this is not so bad, at least when we have a salable article. If you were told that the fruit-growers of a certain State or

It is evident, therefore, that this question must be answered for the present at least

The total number of bushels reported mar-

valued at \$67,087, of which 119,934 bushels were marketed in this first or southern tier of counties; 102,534 bushels in the second tier; 115,840 bushels in the third tier; 154,439 bushels in the fourth tier; 157,499 bushels in the fifth and sixth tiers; and, 6,981 bushels in the northern counties. At 42 <sup>1</sup>/<sub>2</sub> elevators and mills, or 12 per cent of the whole number from which reports have been received, there was no wheat marketed during the month.

The total number of bushels of wheat reported marketed in the six months August-January is 8,000,518, or about 35 per cent of the crop of 1889. The number of bushels reported marketed in the same months of 1888-89 was 10,970,609, or 47 per cent of the crop of 1888. In 1889-90 reports were received from about 78 per cent, and in 1888-89 from about 71 per cent of the elevators and mills in the southern four tiers of counties.

Horses, cattle, sheep and swine are in good average condition.

The acres and yield of clover seed, potatoes and hay in the State in 1888 were as follows: Acres in clover seed, 123,895; bushels, 154,154; average per acre, 1.24 bushels. Acres in potatoes, 147,791; bushels, 13,507,988; average per acre, 93.3 bushels. Acres in hay, 1,361,376; tons, 1,458,558; average per acre, 1.07 tons. These figures are from the Farm Statistics of 1888-9, returned by the supervisors in the spring of 1889.

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Turn hog is probably the most convenient and profitable adjunct to the dairy. But he should not be too close an adjunct. Skimmed milk is one of the best possible, if not the very best feed adapted to the growing of hogs and the making of pork. Feed for a good development of bone and muscle, then finish with corn to put on the fat.











Receipts are dropping off at this point,  
probably from two causes—bad roads and  
low prices. In spite of lessening stocks here  
and at other leading points, prices kept  
weakening until Wednesday, when No. 1  
white sold at 77½¢, and No. 2 red at 77½¢.  
Thursday prices remained unchanged, and  
yesterday No. 1 white advanced ½¢, and  
No. 2 red declined ¼¢, while in futures May  
delivery showed an advance of ½¢ over the  
previous day. But both spot and futures  
show a decline as compared with the open-  
ing of the week. Meanwhile business has  
been very light—barely sufficient to establish  
prices from day to day. Chicago yesterday  
opened weak but closed strong at 74½¢  
higher; New York was quoted at 74½¢  
higher; St. Louis closed ½¢ higher. Where  
bottom has been finally reached it is ques-  
tion every one wants to find out. It looks  
as if it really had.

The following table exhibits the daily closing  
prices of spot wheat in this market from  
January 21st to February 14th inclusive:

Date	No. 1	No. 2	No. 3	No. 4
Jan. 21	78 1/2	77 1/2	76 1/2	75 1/2
22	78 1/2	77 1/2	76 1/2	75 1/2
23	78 1/2	77 1/2	76 1/2	75 1/2
24	78 1/2	77 1/2	76 1/2	75 1/2
25	78 1/2	77 1/2	76 1/2	75 1/2
26	78 1/2	77 1/2	76 1/2	75 1/2
27	78 1/2	77 1/2	76 1/2	75 1/2
28	78 1/2	77 1/2	76 1/2	75 1/2
29	78 1/2	77 1/2	76 1/2	75 1/2
30	78 1/2	77 1/2	76 1/2	75 1/2
31	78 1/2	77 1/2	76 1/2	75 1/2
Feb. 1	78 1/2	77 1/2	76 1/2	75 1/2
2	78 1/2	77 1/2	76 1/2	75 1/2
3	78 1/2	77 1/2	76 1/2	75 1/2
4	78 1/2	77 1/2	76 1/2	75 1/2
5	78 1/2	77 1/2	76 1/2	75 1/2
6	78 1/2	77 1/2	76 1/2	75 1/2
7	78 1/2	77 1/2	76 1/2	75 1/2
8	78 1/2	77 1/2	76 1/2	75 1/2
9	78 1/2	77 1/2	76 1/2	75 1/2
10	78 1/2	77 1/2	76 1/2	75 1/2
11	78 1/2	77 1/2	76 1/2	75 1/2
12	78 1/2	77 1/2	76 1/2	75 1/2
13	78 1/2	77 1/2	76 1/2	75 1/2
14	78 1/2	77 1/2	76 1/2	75 1/2

No. 2 white closed at 73½¢, No. 4 red at 64  
¼¢, and rejected at 59½¢ per bu.  
The following is a record of the closing  
prices on the various deals in futures each  
day during the past week:

Date	Feb. March	April May
Saturday	78 1/2	77 1/2
Sunday	78 1/2	77 1/2
Monday	78 1/2	77 1/2
Tuesday	78 1/2	77 1/2
Wednesday	78 1/2	77 1/2
Thursday	78 1/2	77 1/2
Friday	78 1/2	77 1/2

The Toledo Market Report says it is well  
nigh discouraged taking the bull side of the  
market. Still it feels there is yet a chance  
for wheat. We own up to being in about  
the same frame of mind. It looks as if  
the market must go up, yet it persists in going  
lower.

A dispatch from Seattle, Washington Ter-  
ritory, is bragging about what the next crop  
of wheat will be in that Territory, because  
there has been a good fall of snow. The  
man who sent the dispatch is probably a  
land shark, whose acres look better when  
covered with snow than at any other time.

Reports from Chili say very little wheat  
will be shipped out the coming season.

No shipments of wheat from British India  
last week either to the United Kingdom or  
the continent of Europe. This has not hap-  
pened before for years.

The imports of wheat by the United  
Kingdom last week were only 134,000  
quarters, and stocks there are estimated to  
have decreased more than 1,000,000 bu. dur-  
ing that time.

American wheat in Liverpool is about 2c.  
per bu. lower than at the same date last  
year. Indian wheat is about ¼c. per bu.  
lower.

The following table shows the quantity  
of wheat "in sight" at the dates named, in  
the United States, Canada, and on passage  
to Great Britain and the Continent of Eu-  
rope:

Visible supply	31,945,604
On passage for United Kingdom	14,702,000
On passage for Continent of Europe	3,888,000
Total previous week	50,535,604
Total two weeks ago	52,998,421
Total Jan. 26, 1889	56,571,754

The estimated receipts of foreign and  
home-grown wheat in the English market  
for the week ending February 1 were  
179,800 bu. less than the estimated  
consumption; and for the eight weeks end-  
ing Jan. 18 the receipts are estimated to  
have been 3,581,016 bu. more than the con-  
sumption. The receipts show an increase  
for those eight weeks of 3,510,000 bu. as

compared with the corresponding eight  
weeks in 1888-9.

Shipments of wheat from India for the  
week ending Feb. 1, 1890, as per special  
cable to the New York Produce Exchange,  
aggregated 400,000 bu., of which 80,000  
bu. were for the United Kingdom and 320-  
000 bu. for the Continent. The shipments  
for the previous week, as cabled, amounted  
to 720,000 bu., of which 230,000 went to  
the United Kingdom, and 500,000 to the  
Continent. The shipments from that coun-  
try from April 1, the beginning of the crop  
year, to Feb. 1, aggregated 23,950,000 bu.,  
of which 16,300,000 bu. went to the United  
Kingdom, and 7,700,000 bu. to the Con-  
tinent. For the corresponding period in 1888  
the shipments were 32,530,000 bu. The  
wheat on passage from India Jan. 21 was  
estimated at 2,505,000 bu. One year ago  
the quantity was 2,550,000.

The Liverpool market on Friday was quod-  
steady, with little change. Quotations for  
American wheat were as follows: No. 2  
winter, 6s. 11¼d. per cental; No. 2 spring,  
7s. 3¼d.; California No. 1, 7s. 4d.

CORN AND OATS.  
CORN.  
The receipts of corn in this market the  
past week were 10,035 bu., against 8,805 bu.  
the previous week, and 22,381 bu. for the  
corresponding week in 1889. Shipments for  
the week were 14,042 bu., against 34,907 bu.  
the previous week, and 30,870 bu. for the  
corresponding week in 1889. The visible  
supply of corn in the country on Feb. 8  
amounted to 13,036,497 bu., against 11,918-  
447 bu. the previous week, and 14,035,108 bu.  
at the same date in 1889. The visible sup-  
ply shows an increase during the week indi-  
cated of 1,117,990 bu. The stocks now held  
in this city amount to 1,697 bu. against  
22,311 last week, and 360,877 bu. for the  
corresponding date in 1889. Short stocks  
keep the market firm, and values are about  
the same as a week ago. No. 3 is quoted  
at 31½¢, No. 3 at 30½¢, No. 4 at 29½¢,  
29½¢, and No. 3 yellow at 32¢ per bu. In  
futures No. 2 for March sold at 31¢, and  
for May 32½¢ was asked. The west is full of  
corn, Nebraska and Kansas complaining  
that they cannot get transportation to move  
it, and that every elevator and storehouse  
is running over. The Chicago market yester-  
day closed an ¼¢ lower on spot corn, but  
May was firmer. Quotations were as fol-  
lows: No. 2 spot, 27½¢; No. 2 yellow,  
27½¢; No. 3, 26¢. In futures February  
closed at 27½¢ bid, March at 28½¢, and  
May at 30½¢. New York was firmer  
yesterday for corn, but values did not  
change.

At Liverpool corn was reported in light  
demand and lower, with No. 3 selling at 3s.  
9¼d. Futures were steady, with February  
at 3s. 9¼d., March at 3s. 9d., and April at  
3s. 9¼d., per cental, all lower than a week  
ago.

OATS.  
The receipts at this point for the week  
were 23,406 bu., against 58,512 bu. the pre-  
vious week, and 45,708 bu. for the cor-  
responding week last year. The shipments  
for the week were 8,067 bu., against 20,431 bu.  
the previous week, and 1,117 bu. the same  
week in 1889. The visible supply of this  
grain on February 8 was 5,492,034 bu.,  
against 5,156,474 bu. the previous week,  
and 8,079,829 bu. at the corresponding date in  
1889. The visible supply shows an increase  
of 335,565 bu. for the week indicated. Stocks  
held in store here amount to 155,956 bu.,  
against 154,735 bu. the previous week, and  
56,999 bu. the corresponding week in 1889.  
Although the receipts of oats have been  
light the past week, the weakness and low  
price of corn has caused a decline, and No.  
2 white are now selling at 24½¢, light  
mixed at 24¢, and No. 2 mixed at 23½¢ per  
bu. In futures, No. 2 February sold yester-  
day at 23½¢, March at 24¢, and May at  
24½¢. The Chicago market has ruled un-  
steadily all week, with a drop yesterday in  
May futures. Quotations there are as fol-  
lows: No. 2 white, 23½¢; No. 3, 23¢;  
No. 3 white, 22½¢; No. 2 mixed, 20½¢;  
21½¢. In futures February delivery is  
quoted at 20½¢ per bu. for No. 2 mixed,  
March at 20½¢, May at 21½¢, and June at  
20½¢. The New York market is lower on  
spot, but active and rather higher on futures.  
Speculative dealings have been quite active  
for the past few days. Quotations on spot  
were as follows: No. 2 white, 23½¢; west-  
ern mixed, 21½¢; western white, 20¢;  
33¢; No. 2 Chicago mixed, 29½¢; 29½¢.  
Futures: February, 28½¢; March, 29¢, and  
May at 28½¢ per bu.

DAIRY PRODUCTS.  
BUTTER.  
The market is practically unchanged. The  
ruling price for the bulk of the receipts of  
dairy butter is 14½¢ per lb., with a cent  
more paid for choice; low grade butter can-  
not be quoted, as prices are anything that  
can be got. Creamery is selling at 20¢25¢  
per lb., and a great deal of stock from pri-  
vate creameries is sold to special customers  
direct at the latter figures. The Chicago  
market is somewhat steadier. The quantity  
of the offerings is irregular, including more  
or less faulty butter, which sold slowly.  
Fine to fancy makes are in fair favor and  
steady, though not active. Quotations  
yesterday were as follows: Choice western  
creamery, 25¢25½¢ per lb.; Elgin district  
or fancy, 26¢26½¢; fair to good, 25¢25½¢;  
packing stock, 5¢40¢. At New York the  
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the avowed purpose of enlisting in the French army, in violation of the law, and being arrested, he was sentenced to two years imprisonment.

A letter from a Russian refugee, received at Paris, states that Madam Nadia Shida, a teacher in the high school at Moscow, being devoted to revolutionary pamphlets in her possession, was sentenced to penal servitude at Kara. Here she was arrested by the director of the prison, whom she struck in resenting his insult. The director then ordered her stripped and flogged in the presence of the men in the prison, and Madam Shida committed suicide the same day by poisoning herself. Other women, fearing similar treatment, followed her example, and the male political prisoners, confined in a prison a few miles away, hearing of the circumstances, revolted en masse. The troops were called out, and the whole country, flying and terrorizing followed. It would seem that the descriptions of the horrors of a convict prison have not been exaggerated.

### Hickory Grove Stock Farm.

#### Young Shorthorn Bulls.

I have three young bulls, two yearlings and a calf, of the Purebred Dutch family, sired by Percheron, among them a calf that stood first in his class at the International Exposition, which will be sold at reasonable prices if applied for soon. These bulls are not only fine individuals, but their breeding is excellent. Call and see them or write for particulars.

A. A. WOOD, Saline, Mich.

### AUCTION SALE

Farm and Carriage Horses, Roadsters, and Poland-China Swine, PONTIAC FAIR GROUNDS, Wednesday, Feb. 26, 1890.

AT ONE O'CLOCK SHARP. Fourteen Hambletons, three matched teams, a number of single and different breeds. Many are large, fancy horses, standing from 15 1/2 to 16 1/2 hands high, and weighing from 1,200 to 1,500 lbs. Also a few choice horses as Goldenrod, 26th, Saddle Prince by Buchanan, and others of good breeding. Ten head of Poland-China swine, including the champion family; also of the Black and White family, also of the O. P. C. R. Swine. Terms of sale—30 days after the date of sale. The sale will be given on good notes with interest at 7 per cent.

A. E. GREEN, Proprietor. D. DONALDSON, Auctioneer.

### 1890.

Send in your Entries at Once for the FIRST GRAND COMBINATION SALE of J. A. MANN & CO.

To be held at Lansing, Mich., APRIL 29th and 30th. A breeder's sale of Trotters, Stallions, Brood Mares, Cols, Saddle and Harness Horses. Also a Special Sale of Draft Horses.

Lansing being the central part of the State, there is no better place for a sale of this kind of horses in the U. S. Good buildings, good grounds, first class hotels, good R. R. facilities. Please send in entries early to J. A. Mann or J. J. Baird, Lansing, Mich. Entries close March 25th.

J. A. MANN.

### Percherons for Sale.

Pure bred and high grade STALLIONS AND MARES of desirable age, choice breeding, and individual excellence. The largest herd in this part of the State. A large number sired by the Duke of Perth (7374) and mares bred last season to Waterloo 299 (7373) and Marquis 549. Matched pairs a specialty. Also elegant pair of black and white shell and pony stallions, one and two years old. Will sell together or separate. Prices very low. Come and see us or write for further information.

E. WOODMAN, Paw Paw, Mich.

### FOR SALE, SHORTHORN BULLS.

Sired by Lord Kirklington of Erie 4192 to 13 months old. These are fine individuals and will be sold cheap.

JOHN P. SANBORN, Port Huron, Mich.

### A Choice Registered Black Percheron Stallion

For Sale at a Reasonable Price. Coming three years old with style, action and quality; without blemish; weight now about 1,600 lbs. Sire and dam both prize winners and owned by us. Also a very fine choice grade Percheron stallion, and young stock of both sexes. Inspection invited. Correspondence will receive prompt attention.

PARSONS & BALDWIN, Watervliet, Mich.

### Black Meadow Farm,

ROYAL OAK, MICH.

### STANDARD-BRED TROTTERS, BATES-BRED SHORTHORNS, BERKSHIRE PIGS!

The high-bred trotting stallion Teusha Grandie 5001,

will make the season of 1890 at Black Meadow for the season of 1890. Teusha Grandie was sired by Spartacus 1565, dam by Teusha Grandie 5001. He was purchased by J. A. Mann & Co. for \$2,500 by Manhattan Chief 11. Spartacus by Almont 2nd Duke of Devon 3085, dam by Teusha Grandie 5001.

At the Great Show of France; and of these were 42 FIRST PRIZES; 13 FIRST PRIZES.

STOCK ON HAND: 670 HEAD 180 IMPORTED BROOD MARES, (both sired by brilliant, the most famous living sire).

ALL STOCK SOLD FULLY GUARANTEED. Best Quality. Prices Reasonable. Terms Easy. Don't Buy without inspecting the greatest and most successful breeding establishment in America.

Admission for winter to the farm, free. Thirty-five miles west of Chicago, on C. & N. W. R. Y., between Turner Junction and Eliza.

M. W. DUNHAM, WAYNE, ILLINOIS.

Choice bred young Shorthorn Bulls, of several families and different ages, for sale at reasonable prices. Catalogue on application. Call and see them or write for particulars.

WM. STEELE, Ionia, Mich.

### Situation Wanted

On a stock farm, by a married man, without children. Has had some experience in handling cattle and horses. Address: G. L. care of Michigan Farmer, Detroit, Mich.

### FARM FOR SALE AT A BARGAIN.

A farm of 77 acres, one mile from Benton Station, M. C. R. R. Good soil with all necessary buildings in good repair. Fine orchard of choice fruit. Will be sold cheap as owner resides in Kansas. Call on or address: WM. H. LAY, Agent, Ypsilanti.

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### PERCHERON HORSES AT BARGAINS!

We mean exactly what we say. We have 146 Head Imported and Purebred Stallions and Mares, 6 French Coach Horses, 36 Head of Grade Stallions and Mares, 20 Shetland and Exmoor Ponies, and 27 Head Registered Holstein Cattle, must be disposed of this season, owing to changes in our business. If you think of buying, write us describing what you want for our Catalogue and Prices, and we will convince you that it will pay you well to buy of us.

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### T. W. PALMER'S LOG CABIN STOCK FARM.

150 PERCHERONS. 100 JERSEYS.

To be Disposed of this Season.

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GREENVILLE, MONTCALM Co., MICH.

J. S. & W. G. CROSBY, PROPRIETORS.

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Clydesdale, Shire and Cleveland Bay Horses, AND SHROPSHIRE SHEEP.

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### FOR FIVE SUCCESSIVE YEARS

Galbraith Bros' Horses

have taken the leading position at Chicago, winning more than 50 prizes for Clydesdales and 75 per cent of all of the first prizes ever offered for English Shire Stallions two years old and over. This record is not equaled nor approached by any other importers in America. 175 natures stallions now on hand for sale at some especially favorable prices to buyers. Quality and breeding duly considered. No importers can compete with us in prices—our buying advantages being immeasurably superior to all others. We still make English Shires and Clydesdales a specialty, and have also a few choice Suffolk Purses and Cleveland Bays. Send for our new 144 page catalogue.

Galbraith Brothers, Janesville, Wis.

### CLYDESDALE STALLIONS FOR SALE CHEAP.

A grand lot of YOUNG CLYDESDALE STALLIONS, coming three and four years old, will be sold at

LOW PRICES AND ON EASY TERMS, to make room for new crop. These horses were all bred by me, got by such imported stallions as

Young Wellington (1584) and Sir Arthur Ingram (3187)

and all out of Registered Imported Mares. Having been bred in Michigan they are all acclimated and ready for immediate service.

JAMES M. TURNER, Springdale Farm, Lansing, Mich.

### CHANGE IN MY BUSINESS!

I will offer my entire stock of 200 CLEVELAND BAY and SHIRE STALLIONS, AT GREATLY REDUCED PRICES.

150 DEEP MILKING HOLSTEIN - FRIESIANS, AT Correspondingly Low Prices.

Must Be Sold During the NEXT THREE MONTHS. An opportunity rarely offered to secure such high class stock at the prices and terms I am prepared to offer. Send for pamphlet giving full particulars.

GEO. E. BROWN, Aurora, Kane Co., Ill.

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EAST BUFFALO, N. Y.

New York Central Stock Yards.

### OAKLAWN FARM 4435 REGISTERED PERCHERON FRENCH COACH HORSES.

Imported and Bred. 346 IMPORTED and Bred. 1890. Being 100 mares than were imported and bred this year by any other man or firm in America. First choice of all leading studs of the Percheron breed. Imported and Bred. 1890. Being 100 mares than were imported and bred this year by any other man or firm in America. First choice of all leading studs of the Percheron breed.

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### SPRINGBROOK FARM

DELHI MILLS, MICH.

### Shorthorn Cattle

—AND—

### MERINO SHEEP!

The Shorthorn herd on this farm was never in better shape than at present.

Lord Hilpa 63417 and Imp. Barrington Barringtonia

AT HEAD OF HERD!

Several Choice Young Bulls for Sale, Ready for Service this Spring.

ALSO A FEW CHOICE FEMALES.

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Flock of over one hundred breeding ewes, yearlings and lambs of both sexes for sale.

Visitors always welcome. If you cannot come and look over the stock write for particulars. Address: W. E. BOYDEN.

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Bates Cattle!

—AT—

HAZEL RIDGE FARM, SANDWICH, ONT.

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## Poetry.

## THE RED RIVER VOYAGEUR.

Out and in the river is winding  
The links of the long red chain,  
The web of the dusky ploverland  
And gusty leagues of plain.

Only at times a smoke wreath  
With the drifting cloud rack joins—  
The smoke of the hunting lodges  
Of the wild Assiniboines!

And with an eye on the water,  
And one upon the shore,  
The Angel of Shadow gives warning  
That day shall be to more.

Is it the clang of wild geese?  
Is it the Indian's yell?  
That lends to the voice of the north wind  
The tones of a far-off bell?

The voyager smiles as he listens  
To the sound that grows apace,  
Well he knows the vesper ringing  
Of the bells of St. Boniface.

The bells of the Roman mission,  
That call from their turret twin  
To the boatman on the river,  
To the hunter on the plain.

Even so on our mortal journey,  
The blither north winds blow,  
And thus upon life's Red River  
Our hearts, as oarsmen, row.

And when the Angel of Shadow  
Reels his feet on life and shore,  
And our eyes grow dim with watching,  
And our hearts faint at the car.

Happy is he who hears the  
The signal of the release,  
In the bells of the Holy City,  
The chimes of eternal peace.

—John Greenleaf Whittier.

## FEBRUARY.

Already the feet of the winter fly,  
And the pulse of the earth begins to leap,  
Waking up from their frozen sleep,  
And knowing the beautiful spring is nigh.

Good St. Valentine wanders by,  
Passing his festival day to keep—  
Already the feet of the winter fly,  
And the pulse of the earth begins to leap.

To life she wakes; and a smile and a sigh—  
Language the scoffer holds so cheap—  
Thrill her with melody dear and deep,  
And spring with its mating time is nigh;

Already the feet of winter fly,  
And the pulse of the earth begins to leap.

## Miscellaneous.

## THE END OF THE GAME.

Of the eleven passengers on the Italian ship "Livorno," bound for Marseilles via Gibraltar, Helen Austin was the only one who was taking the voyage for pleasure, unconstrained by ill-health. On the afternoon when they had sighted the Azores she was walking on the deck, her gray skirt shining silvery in the sun, her fresh face tinged with the excitement brought by a glimpse of land, her brown eyes alight with anticipation of what lay beyond.

"Helen," called Mrs. Baker, an amorphous, middle-aged woman securely wedged in a steamer-chair, as the tall figure reposed herself for the twentieth time, "do sit down. You will have nervous prostration at this rate. You are not still a minute, from the time they wake me by washing the decks till they have that awful, indigestible supper. Do sit down."

"I can't, Aunt dear," said Helen, with a laugh. For the last few days she had fallen into the habit of laughing from pure delight in the life of the sea. "I must walk my mile. Did the captain say it was seventy-four times up and down?"

"I don't know. Here's Mr. Eastman; ask him. He's the only other crazy one on board."

Arnold Eastman, editor of the "American Times," an old young man, with a brown face and brown mustache, had come up just in time to fall into step with Helen, as she moved away. He was an intimate friend. A week ago the two women had been ignorant of his existence; but now the sea change which creeps over social life on the waves had translated him from mere man into a brother.

"I'll tell thee everything I can; there's a little to relate," he began. "What shall we begin with?" "How many miles to Barcelona? Oh, how impossible it is to be sensible and consecutive here! I feel myself degenerating every day. There's a fellow of forty over us, isn't there? I don't wonder all these nervous prostration were sent on a voyage. Such mental rest amounts to vacuity."

"Don't be personal," said Eastman. "I may not look it, but remember I'm one of the victims of over-work. I wish I hadn't told you. I believe you despise ill-health."

"Oh, no, no," she said, so shocked and pained that he at once repented. "Oh, you would not say that if you knew how intimately I have lived with sickness. I must tell you now. My sister was an invalid for years, torn in shreds with pain, and I was with her always, through the worst of it. The end only came a year ago."

They had reached the stern and stood looking at the foamy wake of the vessel. Her eyes were filled with a retrospective trouble, instantly reflected in his.

"I am sorry," he said, awkwardly, long to put his hand over the slim white one that lay on the rail.

"Tis your cue," she laughed, turning to him with one of the quick transformations which charmed and bewildered him. "Come, or dinner will be ready and I shall never dare face Captain Florio with my record incomplete."

As they hurried up and down, scraps of conversation were wafted to them, at which they exchanged an occasional smile, though the tenor was not new.

"Yes, I'm homeopathy," came aggressively from Mrs. Smiles, who had been ordered complete rest from proselytizing the heathen. "Homeopathy I've lived, and homeopathy I mean to die."

you take three granules of quinine every half-hour until you find relief."

"Yes, or you take aconite, and find relief at once," observed Mrs. Smiles, to nobody in particular.

"As for me, a good black dose that will kill or cure," said Mrs. Baker, impartially scornful to heterodox schools. "I never took any homeopathic medicine but once; then I ate up the whole bottle of sugar-plums, and might have swallowed them inside the glass, for all the good they did me."

"Do you mean to say you didn't approve after that test?" inquired Mrs. Smiles, with dignified irony.

"Oh, yes," returned Mrs. Baker, dryly. "I liked them very well, I've got a sweet tooth of my own."

"There's something in having a pet system, isn't there?" asked Eastman, softly, as they moved out of ear-shot. "Occupation, at least."

"Yes, and how they do quarrel! Sometimes I feel quite left out in the cold, when they begin their serious after-dinner tournament."

"I'll tell you how to remedy that," said he, with the eagerness of one determined to score even an insignificant point for himself. "You can call at me."

"On what ground?"

"Oh—here in Denmark!"

One may remark, in passing, that weak puns and irrelevant quotations find themselves in excellent standing at sea.

"But I don't know your follies."

"Pretend you do. Oh, I'll tell you; let us have an original game all to ourselves. Let's play we are very old acquaintances, that we knew each other when we were school children, and haven't met since."

"Wouldn't that be rather a silly game?" inquired she, lifting her delicate brows with the charming impertinence allowed a woman who, though she does not assume she is loved, yet knows she is admired. "Never mind, though; perhaps that recommends it here. Then henceforth, when the others balance pills and powders, we will recall the past. No doubt we shall both enjoy it hugely; it allows such scope for egotism. I must run away now. I see Annie is preparing to go down."

When she had left him, Eastman walked the deck by himself, musing; "I wonder if the sister illness prevented her marrying?" How could he find out? Mrs. Baker had told him a host of interesting facts in the past week—among them, that all the Austens had white hair, and that Helen's began to turn at nineteen—but would her native impulsiveness lead her as far as this, and, on the whole, did he hope they would?

After dinner, almost every one went again on deck, and while the sweet voiced tenor, going to Mentone to die, sang impassioned songs of life and love, Eastman, impelled by the motive which moves some men to talk to some women, began to tell Helen "all about it"—where he was born, how he became a journalist, and even how he had been jilted.

"She was so astonishingly pretty, in a milkmaid sort of way," he said, apologetically; "and I mourned for years after she married."

"Did she marry another?" inquired she, demurely.

"Yes, she did, that much-married gentleman. Well, I thought I was broken-hearted, but, do you know, when I met her last summer, I found she was exactly like everybody else, and that I didn't care a jot for her. Then I cursed myself for the sleepless nights I had wasted in thinking of her, when I might have been composing immortal editorials; and ever since I have found it difficult to call up enough sentiment for sympathetic criticism of the 'Times' love poems."

"I suppose you remember that I warned you against her at the time?"

Perplexed for an instant only, he broke into a laugh, and took up the game.

"Yes, you were uncommonly good to me," he said, gravely. "Even then you saw her fatal likeness to the majority; but I was a fool and wouldn't hear to you."

"It seemed a pity that such a well-intentioned lady as you should be under the spell of a hill-wife, pretty and hollow. I remember how my patience failed when you went about with her photograph hung round your neck, outside your coat; I have often felt, though, that I was too severe with you then, at the time you wept so copiously over that lock of hair."

"Oh, come now!" cried he, roused to self-defense; apparently there are things no man can bear.

"Yes, you did, and you hated me with a mortal hatred because I said she wore imitation lace. You didn't speak to me for two weeks by the clock."

"Well, at any rate; you might let bygones be a natural death and forgive me for it. Come, let us be friends." He held out his hand.

"A sudden thought strikes me—let us swear eternal friendship," she quoted, mockingly. "But let us first join the others, for schools of medicine have lost their power to charm, and conversation languishes over there."

He followed her, wondering whether it was the moonlight alone which had woven such radiance about her, or if it could be that she was not quite "like everybody else" to him. Just now, he owned he was not sufficiently sane and temperate to judge, and meanwhile, till he could get his true bearings, how interesting it would be, nay, how necessary it had become—to know why she never married!

A cycle of land acquaintance is as nothing compared with the spontaneous generation of intimacy on a sea voyage. Eastman was amused and delighted to find he had become known among the invalid passengers as "Miss Austin's friend."

"Would your friend mail our letters for us at Gibraltar?" asked Miss Greene, of the pink-eyed and timid, speaking also in behalf of her own sister. "We don't understand the currency, and it would be dreadful to have our letters held for postage."

Helen arranged for her friend with a bluish but with much readiness; and Eastman, overhearing the conversation, began a triumphant whistling solo, only to receive a further drop of joy in hearing her humming the same air to herself. Then he ran down the curtain on his own performance and brought her a rug.

"That day at Gibraltar!"

"Oh, what a thing it is to wake in port after you've made up your mind you may never see land again!" cried Mrs. Baker, thus admirably voicing the joy of even the few who had expected to survive the voyage.

"And is that really Africa over there? It looks like a line of haze. I can't believe it's solid land inhabited by black folks, with yatahans and cords and creases."

"Let nothing surprise you," counseled Eastman. "We may even see Othello when we land."

"Actually? Do they give it in Spanish. For my part, I'd a thousand times rather stay out-of-doors and see the sights."

No one found it necessary to explain in the joy of preparation for a day's holiday, from the sea Mrs. Malaprop herself might have passed unregarded.

They were rowed ashore, and Eastman was deputed to order breakfast at the hotel. Desperately forgot their anticipations, and Professor Todd doled out three granules apiece with a jovial hand.

"Try a piece of this sole," recommended Eastman, innocently, expecting to find old complaints still at a premium.

"A piece!" cried the champion dyspeptic, with his mouth full; "I want a whole one. Walter, this way. What extraordinary fresh butter! but then it's much better than that Italian stuff they ought to call cheese."

Later, when the party wound its way up over the rocks by the little bridge-path known all too well by the astute donkeys, Eastman, spendthrift-like, let time and place pass unregarded and devoted his attention to Helen.

She was in royal bloom, from the joy of life and motion. Her eyes shone, her cheeks were scarlet, and that strange white hair became her brilliant foil.

"Oh, I never saw so many flowers," she called to him, as he rode behind. "There is something like a new and wonderful world. Could that be sweet alyssum on that slope above? Was there ever such an enchanting day?"

"Don't be fickle. Think of some of those other mornings when we rode together. Do you remember how we used to get up before daylight and gallop down to the sea?"

"Of course, through those country lanes lined with wild roses and smelling of sweet fern."

"And you used to say: 'Let the ponies walk till we get to the bridge, and then go over with a rush and clatter.'"

She looked round at him with brightly challenging eyes.

"Ah, you've actually done that with somebody, or you wouldn't have thought of it. Confess!"

"Yes, I have, with my old chum, Fred Beales, whom I promised to meet in England within a fortnight. But then you know I did it, too, and I'm jealous enough of Fred was of you."

"You needn't try to amuse me to-day," she announced, accepting from her donkey by a huge, many-colored bouquet. "I don't want to pretend to anything. I feel as if I were young—like the gods—only not knowing good and evil. The evil has vanished away."

Eastman himself began to grow a little intoxicated with the bright sky and earth, and the brilliant creature before him.

"How lovely gray hair can be," he caught himself thinking. "Young? No wonder she feels young. With a being like that, youth is perennial, always returning, like the summer."

Among the shifting scenes of that day he caught glimpses into the region of pure comedy, and even wished he felt at liberty to frame an article on that episode of her buying a lace shawl of that wily Moor, in a little dark shop. With what naïve, helpless grace she turned to beg his help in combating the wretch, and how regal she became when, throwing the rich things over her head, she looked at him with frank and friendly eyes, containing no challenge to admiration!

Once on board the "Livorno" again, the party separated to meet no more till Marseilles was at hand. Then, with their first greetings, the invalids referred to their packing as the cause of this brief retirement, though each one suspected his neighbor as he spoke, until Mrs. Baker started them into confession with a bomb of truth.

"Packing!" cried she, when the pale and wavering ghosts of the late revelers again appeared on deck. "I've been seasick. I never knew before that a steamer was capable of tipping six different ways at once."

"Madam, your experience has not been unique," said Professor Todd, showing a noble emulation. "Had it not been for twelve additional granules, I must have been prostrated."

Meanwhile, the two friends were standing together near Mrs. Baker, awkwardly feeling their way to what might be farewells.

"I believe you go to Mentone for your stay?" asked she.

"I did think of it," he returned, with elaborate carelessness; "but I've been reading its atmosphere of ill health."

"True; doubtless it swarms with invalids." "I had thought of Nice."

"Ah!"

He wondered if the breath could be one of pleasure.

"The Hotel Bristol," he continued, shyly, as if awaiting permission.

"And I'm thankful to hear it!" arose Mrs. Baker's comfortably approving voice at his side. "Helen, I shall write your uncle Hiram. He hates to have us travel alone."

Behold then, all general farewells having been said, Eastman settled at Nice, so near his new friend that the exigencies of amusement brought them together hour after hour. Yet he was not satisfied, but every day more irritable and uneasy. He was in daily expectation of the telegram which would call him to England, where he had promised to meet Fred Beales and sail with him to America. His old chum had been desperately ill, and caught at the fact of his friend's brief vacation with such childlike joy at the thought of a traveling companion that, not even for his own advantage, could Eastman disappoint him now. And after all, why should he even nurse the thought of longer lingering? Why should he dream of winning a prize, so late in life? They were both past their first youth, and had doubtless fallen, with equal persistency, into the rut of solitary habits. He was sufficiently comfortable, with his dusty editorial den, and his Bohemian life shared by a few choice spirits; he could imagine, to be sure, the wine of life growing thin and sour among the fifties and sixties, but that might be better than spoiling it altogether with some foreign preparation warranted to give body and flavor. If he were but still capable of a grand passion, he thought, then all might be different. He was attracted by her, charmed, but doubtless the climate had something to do with that. Such reflections occupied his colder moments, but they were not such as could preserve their front in Helen's presence.

He was not only acting courier but news-monger in general to the two women.

"I have the pleasure of informing you," he announced, one morning, as he entered their *salon*, "that the Mid-west festivities begin to-morrow."

Mrs. Baker looked up from her perennial knitting.

"Festivities in Lent!" she italicized, in her fat staccato. "I should think in a Popish country like this they'd much better be humbling themselves and eating ashes. No; they put it on their heads, don't they? Just like their dirty habits!"

"For three days we are permitted to indulge in a miniature carnival. There is a *Corso Bianco*, when the promenade will be draped in white, and eke the revelers who frequent it. By day there will be *fetes des fleurs*. Ladies, I am your humble suppliant; I beg you to accompany me through this procession of gayeties."

"Not I, thank you," said Mrs. Baker, knitting sturdily. "Three—one—three. You are very kind, but I don't know what Hiram would say if I should trust myself among those wild French and Italians. I dare say they'll have a genuine orgy before they get through. Helen may go; she's afraid of nothing."

Eastman turned to entreat her; but she met persuasion halfway.

"Oh, Aunt, if I may!" she cried, putting her hands together in a girl's fever of excitement. "I long to see it."

"There will be a masked ball," intimated Eastman, the tempter.

"I draw my line at the ball," she laughed. "I am too old for that, but not for throwing flowers—dear me, no!"

If Eastman was no longer young, he was at least late with a somewhat unreasonable warmth of boyish pride in her when, next day, they drove away from the hotel in a carriage filled with violets and camellias. Helen wore a white gown and her face was radiant.

"Oh la belle dame!" cried two or three old women who stood at the entrance of the promenade, puffing flowers for sale, and Helen's instant blush did not lessen the brilliancy of her beauty. But in the excitement of the next half-hour she forgot self-consciousness, and became possessed only with the victorious spirit of the moment.

She tossed her flowers with a half-time grace bewitching in one so stately; she caught the prodigal favors of others with girlish delight.

"Oh," she cried, when they entered the *salon* again, where Mrs. Baker still sat knitting. "I should like to live in a carnival forever!"

Eastman, going to his room, found a telegram from London. Beales had engaged passage for the third; would he start for London on the next day? He tossed aside the odious slip of paper and sat blankly down to think. A moment ago he had been with Helen, careless of the prospect of leaving her; now, with his orders to march staring him in the face, he knew it would be impossible to leave her unless she sent him. As he realized his need of her he was seized with panic. What chance had a lover who had known a woman barely three weeks, and who, having no time to lose, could not even qualify his phrase? He grew desperate, dressed in haste and went down to dinner, not daring to think even of success or failure. He was too absorbed even to notice to note his excitement or to say, when his hand grew cold and trembled, "I am still young; I am in love."

After dinner he hurried to their *salon*.

"Mrs. Baker," he began, "may we go for just a little walk? The town is very quiet up here; the high peaks are all going down by the promenade. I don't believe Miss Austin has really seen Nice by moonlight."

"Of course she can go," said her guardian, cheerfully. "She's a free agent, though she isn't a Daisy Miller. Ask her."

"The night is heavenly," he urged, turning to her. "You may never see another such."

Helen hesitated, yielded, and in ten minutes more was walking away with him under the summer sky. The town lay placid in the flooding moonlight, and the scent of a thousand flowers filled the air. They took the road toward Claires, and both were absolutely silent, she constrained by the beauty of the night, and he by her presence.

"I am going away to-morrow," he said at length, abruptly.

"Isn't the summons rather unexpected?" He wondered how she could speak so calmly. One could hardly expect her to regret him; but surely she might show some sympathetic things of his own trouble.

"Not altogether—but just as unbearable. I suppose you have no idea when you will be in America."

"In the fall, probably. I doubt if Auntie's strength of mind will keep her from Uncle Hiram much longer. Besides, she's afraid he will break all the best china."

"Might I—do you think I might write you occasionally?" he went on, awkwardly.

"I know it's a great deal to ask, but I must keep you reminded of me in some way. You said you had once visited the Armstrongs in the winter. You will visit them again?"

His tone was not only impassioned, but grotesque, and she was glad to laugh.

"I swear it—I'll invite me. But letters—why should I occupy the editorial pen? Put it to nobler uses."

"Do you mean to say that I'm to live from now till next winter on the mere chance of your visiting some people who may die to-morrow? Perish the thought! In other words, I won't attempt it."

"Dear me," she said, relapsing into jest, as she grew nervous. "You have lived a good many years without writing to me. As Mrs. F.'s aunt would say, 'You didn't when your Uncle Charles was alive, much less now.'"

"Where fault was it," he said, hitting, in sheer despair, upon a device which, weak as it was, might serve to ease his boldness. "When we knew each other years ago, I wrote you a letter begging you to be my wife. You never answered it."

She was startled, offended. It was easy to see that, though her face was turned away. Still, she could not resent the speech without assuming an earnestness matching his own.

"I never received it, of course," she said, too much flattered to take her cue with ease. "But that saved me the trouble of saying 'No.' Besides, I should have known you did it out of pique. Come, let us go home."

"Then answer me now. I love you. I have loved you every minute since I was a boy, and it has been my terrible misfortune that I never met you till now." (Lovers do occasionally solace themselves with such fancies concerning passion's continuity.)

"Forgive me," she said, quietly, though her voice trembled; "but I think we are getting a little too far. Our nonsense was very well within bounds, but tale!"

"This? Why, don't you see what this is? Don't you see I love you? What can I do to win you? Oh, tell me!"

She turned and looked at him. There were tears on her cheeks, but her mouth was smiling.

"I am thirty-two," she said.

"No; we are both young. Remember what you said that day on Gibraltar."

"And my hair is white."

"So is the frost, and the snow, and spun silver, and your hand! Oh, you dear and beautiful woman, give me your hands to hold while you promise me yourself."

And knowing that the gift he offered her was priceless in her eyes, she turned to him and confessed to him the same noble frankness she had shown him through every hour of their brief acquaintance.

As they entered the hotel garden, when the moon was going down, he detained her. "Wait an instant and tell me this. In that time, so long ago, when I was a boy and a fool, where were you? Wasn't there somebody—have you ever cared?"

"Never," she laughed, looking at him with happy eyes. "Truly—truly! I don't see why I didn't. I suppose I was waiting for you—laggard!"

## The Woodpecker and his Hole.

In the bark of trees and in the wood of their decaying branches this woodpecker displays his workmanship. He there builds his home, rears his family and stores up his future grub—literally and figuratively. When the acorn ripens his season of active work begins. Without any measuring or laying out of circles, or the taking of dimensions with callipers, he smoothly and artistically chisels out a hole, goes after an acorn, pushes it in butt end foremost, and carefully drives it home with a deliberate and workmanlike air. Is the acorn a good fit? You can wager your boots it is, every time. There is no laying down the acorn to enlarge the receptacle here, nor the necessary choosing of a larger one to replace a misfit. Not much! The nut that is brought just fits snugly and comfortably every time, so more, no less. And so El Carpenter goes on, carefully intent upon his work, until by the aid of his fellows every available spot upon the tree is studded with the evidences of his toil, and no more room is left for another acorn.

At times, if he is working in thick, soft bark, or decayed wood, he will dig his hole deep enough to hold two acorns, and, right here, he gets fooled occasionally. Isn't it Mark Twain who causes one of his characters to relate a story about a California Jay trying to fill an old deserted miner's cabin with acorns, pushed through a knothole in the board roof? Well, no matter who told it, it is a good story, and our woodpecker sometimes unwittingly imitates the Jay in question. In boring his hole he sometimes pierces through into a hollow, and he will try most industriously to fill that hole with acorns. In the slang of the day, he soon "tumbles to the racket," however, and as acorn after acorn disappears into this most unaccountable hole, he becomes suspicious, and finally certain that there is something not just right about it, proceeds to "block the game." How does he do this? In the simplest manner possible. He simply goes and gets a nut as large as it will go and leaves it there.—*Forest and Stream.*

Looking for a Wife.

Love has a weakness for green peaches. I do not mean the real fruit; I speak metaphorically. When you go into the market you naturally pick up the ripe peach and buy that. But when a man goes looking for a wife it seems somehow to be human nature to look for the green and unripe girl, and leave the ripened spinster severely alone.

I think myself—although I don't know anything at all about it—that girls should be left to ripen on the parent tree and plucked in the proper season. A plump, fair, mature spinster should most certainly be more easily disposed of than the green girl. But it is not so. Man, unthinking man, takes the bloom on the cheek for a fast color, and the naïveté of youth for an everlasting charm.

Women are like nuts, not fruit. They are soft and tasteless when they are unripe, and they harden with age. Marriage is simply a process of canning, and they keep their flavor for all their life if they are properly canned. If this thing were more distinctly understood parents would have less difficulty with their children, and a great deal of anxiety and labor would be spared.

In Europe the affectionate mother only lets one of her daughters out at a time, and conceals the others until that one has been taken. It is an excellent plan, but it does not always work well. It sometimes gives the girl the flattering aspect of an only child, and if the father is rich that is a very effective deception.

In America they are so proud of them all that they put them all on view as soon as possible, and say: "Let the best girl win." The result is a percentage of old maids, although no women in America ever misses her last chance. It is somehow a knack they have of getting in time.—*San Francisco Chronicle.*

F. E. C. MEDICINE CO.—Six months ago my back was horribly stricken by handling heavy timber. As a result my kidneys became affected, causing me distress and interfering with my business generally. Your F. E. C. Kidney Remedy was lately recommended, and the use of one bottle has effectually cured me.

A. J. SULLIVAN, 19 Nichols Park, Rochester, N. Y.

## A Spider of the Sea.

"Hold up a minute!"

The speaker was the bowman of a long, curious Indian canoe, that some natives were pulling along near the shore in Alaskan waters.




**WELLS, RICHARDSON & CO'S**

**WELLS, RICHARDSON & CO'S**  
**IMPROVED**  
**Butter**  
**Color.**  
**EXCELS IN STRENGTH**  
**PURITY**  
**BRIGHTNESS**

Always gives a bright natural color, never turns rancid. Will not color the Butter-milk. Used by thousands of the best Creameries and Butchers. Do not allow your dealer to convince you that some other kind is just as good. Tell him the BEST is what you want, and you will get it. Wells, Richardson & Co's IMPROVED BUTTER COLOR. For sale everywhere. Manufacturing, Burlington, Va.

**BABY PORTRAITS.**  
A Portfolio of beautiful baby photographs.

any Baby born within a year  
Every Mother wants these

 any Baby born within a year of these pictures; send at once. Give Baby's name and age. **WELL** **ICHARDSON & CO.**  
BURLINGTON, VT.

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**YOU CAN**  
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## 1 - Mortgage

**--- Mortgage ---**


**THIS WINTER** by  
working evenings for the  
**CURTIS PUBLISHING CO.**  
of **PHILADELPHIA.**

**A NEW COUNTRY**  
IN THE PINE, CEDAR  
AND HAWKWOOD  
Districts of Wisconsin and Michigan  
is opened by this new  
traveling route to the best  
**SPECIAL ADVANTAGE**  
TO PARTIES WHO FREE  
SAVING and ACCUMU-  
LATIONS. Mill machinery  
transported FREE. Choice  
farming lands cheap.

**ASK YOUR DEALER**

Railway, Minneapolis, Minn.

## ASK YOUR DEALER



H. NELSON & CO.,  
Minneapolis, Minnesota.

For NELSON'S Cartridge Belt. The only PRACTICAL contrivance for carrying ammunition in the field. For Shot Guns, Rifles and Pistols. Nothing like it in the market. Patent Internal action.

# SCOTT'S

## EMULSION

## EMULSION

**OF PURE COD LIVER OIL  
AND  
HYPOPHOSPHITES**  
**Almost as Palatable as Milk**

So disgruntled that it can be taken  
digested and assimilated by the most  
sensitive stomach, when the plain oil  
cannot be tolerated; and by the com-  
bination of the oil with the hypo-  
phosphites is much more efficacious.

**Remarkable as a flesh producer.**  
Persons gain rapidly while taking it.  
SCOTT'S EMULSION is a food for the  
Physicians to be the Finest and Best prepa-  
ration in the world for the relief and cure of

**CONSUMPTION, SCROFULA,  
GENERAL DEBILITY, WASTING  
DISEASES, BRONCHITIS, ASTHMA,  
CROUPS AND CHRONIC COUGHS**

*The great remedy for Consumption, and*

## THE GREAT GEMERY

**THE GREAT REMEDY**  
**PROF. R. JENNINGS'**  
**COLIC MIXTURE**  
 — FOR —  
**Horses, Cattle and Sheep;**

A black and white illustration showing a horse and a cow lying on their backs in a stable. The horse is on the left, and the cow is on the right. Both animals have their legs raised in the air, suggesting they are being treated for colic. The stable has wooden walls and a door is visible on the right.

**Over 280 Horses with Colic Treated in the Detroit Fire Department Without the Help of a Single Animal**

over 350 Horses with Colic Treated in  
the last 24 hours. It is the only medicine  
on the Loss of a Single Animal.

This assertion is verified by published Annual  
Reports of the transactions of the Detroit Board  
of Fire Commissioners. A record which can be  
lengthened the world; but rather than number of  
cases, we will give the names of the animals.

*It will Cure in Horses:* Colic, Cramp, Indig-  
estion, Diarrhea, Dysentery and Disordered Kid-  
neys.

*It will Cure in Cattle:* Indigestion, Colic, no  
Hoove or Blown, Diarrhea or Dysentery.

*It will Cure in Sheep:* Colic, Hoove, Diarrhea  
or Dysentery, when given according to directions.

**IT WILL PAY**

Every owner of a Horse, Cow or Sheep to keep  
this invaluable remedy always on hand for cases  
of Colic, Hoove or Blown, Diarrhea or Dysentery,  
diseases for Horses and Cattle and sixteen doses  
for Sheep. It is the only medicine of the kind  
time annually has the desired effect. It will not  
spoil by age.

**PRICE, \$1 00 PER BOTTLE.**

Prepared only by

201 First St., Detroit, Mich.

**201 First St., Detroit, Mich.**  
**Agents Wanted Everywhere.**



**DR. SETH ARNOLD'S**  
**COUGH KILLA**  
 THE CURE FOR ALL  
 BRONCHITIS AND  
 CONSUMPTION

I have used many kinds of cough medicine, but I believe Dr. Seth Arnold's Cough Killa is **SUPERIOR TO ALL**. It relieved my cough at once and helped the children over whom I have charge. It is sold by E. T. Willard, 65 East 6th St. Boston, Mass.

Price 50c. a bottle, and 80c. per bottle.

**ALL DEALERS SELL IT**

**Agents Wanted to Sell LIVING LETTERS OF THE WORLD**

Graphic Photographs of Sovereigns, States, Cities, and Scenery. Beautifully Illustrated. Very cheap. Early work.

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**BOTTLE**  
 Each bottle  
**\$6.75.**  
 12 BOTTLES \$75.00  
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**GUINNESS**

All Irish champagne and liquors. Superior quality, and many medals. London, England.

**POWELL & CRAWFORD**  
 104 Main Street  
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**AGENTS HERE**  
and Farmers with no experience make \$25.00

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 an hour during spare time. A. D. BATES, 10 W. 24  
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 See free literature. Free ad. in this issue.  
 Agents free. J. E. SHEPARD & Co., Cincinnati.

**KANSAS CROPS LEAD THEM ALL**

I would sell or exchange several choice farms in Kansas (the coming State) from 160 to 60 acres each, and make satisfactory terms and prices. These farms will produce 20 to 40 bushels of wheat to the acre; other crops in proportion. Schools, churches, stores and railroads at hand. Give particulars of your wish and address R. DORMAN, LA GRANGE, ILL.



Veterinary Department

Conducted by Prof. Robert Jennings, Veterinary Surgeon, Professional address, 211 First Street, Detroit, Mich. The full name and address of the subscriber is necessary for the receipt of the paper. The full name and address of the subscriber is necessary for the receipt of the paper.

Nail in Foot.

OAK GROVE, Feb. 8, 1890. I have a horse nine years old that stepped on a nail five days ago. The nail went in about half an inch at the edge of the frog, about the middle of its lengthways. I think it was in the foot about half a day. Drove the horse the next day about four miles and back. Was a very little lame in the morning but later on, and next morning very lame. I took his shoe off and polished his foot with bran wet with lye, using it as warm as I could hold my hand in it, also wet it with carbolic acid, at the rate of one ounce to a quart of water. I think the horse is a little better now, but think his foot will break at the heel. Please answer in your next paper and tell me if I have done right, and if not what to do. Also if there is danger of lock jaw, or of his losing the foot. The leg is swelled a very little below the knee. SUBSCRIBER.

Answer.—From your description of the condition of your horse's foot the chances are that, unless properly handled, you will have a bad foot to deal with. Such cases need but little pointing. More injury is often done in that way than if left to nature to take her course, as it favors the too rapid formation of pus, causing separation of the frog crust, and sometimes the entire sole. We have known cases where the entire hoof has sloughed off in consequence of too much pointing. All loose portions of the frog or sole must be cut away, so as to leave no place to harbor pus, dirt, etc. When the horn has been properly trimmed out apply the following: Pine tar and lard oil, two ounces; balsam of fir, one ounce; melt and mix well together and apply to the exposed parts once a day, and if obtainable protect with a leather boot. It would be well to give the following internally: Socotrine aloes, pulp, two ounces; Jamaica ginger root, pulp, half an ounce; mix well together and divide into twelve powders. Give one night and morning, in the feed, or mix with water to a paste and smear on the tongue.

Bruised Knee in Horse.

JAN. 13th, 1890. Veterinary Editor of the Michigan Farmer.

I have got a mare that got hurt running in the field last fall in a way that I am unable to tell, unless she hurt herself stepping or jumping over a gap or fence, or slipping down on her knee. Her knee was swollen about two inches above the joint, was not lame nor hot, but she was lame. I dressed it with liniment, gave her condition powders and took the swelling down in a measure. It felt as though there was matter in the lower part of the swelling. I opened it and it discharged some blood, but no matter contained in it. As soon as the opening closed it filled again in about a week. I opened it again with the same result as the first time. I gave it the same treatment the third time and the discharge was blood. As the blood ran out the swelling went down, but when it stopped bleeding the front side of the knee about over the lower joint filled again as before. I saw a veterinary and he told me it was the same as a blood blister or my mare if it was opened it would fill again. By what I had done for the mare, it looked to me as though that's what it was. He told me to wash it in water as warm as I could stand once a day for a week, and then apply a wash he prepared, after using it wash as before and paint with iodine. It fails to remove the lower part of the swelling, or the part that filled after opening. If you can give any information through the FARMER, it will be very gladly accepted. C. A. S.

Answer.—The bruised knee of your mare has been badly treated. Such swellings should never be punctured. When first received, hot water fomentation (not warm) should be kept up for at least one hour, after each fomentation. This is the most successful means of reducing such serious swellings about joints, when early resorted to. When this opportunity is lost, the application of the compound tincture of iodine, prepared with turpentine and alcohol is the best known to you. Apply with hand friction once or twice a day.

Curb in the Horse.

Veterinary Editor of the Michigan Farmer.

I wrote you in December last, stating my case, but have seen nothing in the FARMER yet. Perhaps the letter failed to reach you. I will state my case again, and if you have any reason for not answering, all right. In November last I put a curb on a five year old black horse. He has been lame ever since. What will cure the curb and what shall I do to relieve the lameness? I have doctored him so; the curb is reduced somewhat, but he is too lame to work. H. O.

Commercial.

DETROIT WHOLESALE MARKET.

DETROIT, February 15, 1890. FLOUR.—We note a decline of 5c per bu. on all Michigan grades. Market very quiet. Quotations on car load lots are as follows: Michigan roller process, 3.75 @ 3.85; 4.00 @ 4.10; 4.25 @ 4.35; 4.50 @ 4.60; 4.75 @ 4.85; 5.00 @ 5.10; 5.25 @ 5.35; 5.50 @ 5.60; 5.75 @ 5.85; 6.00 @ 6.10; 6.25 @ 6.35; 6.50 @ 6.60; 6.75 @ 6.85; 7.00 @ 7.10; 7.25 @ 7.35; 7.50 @ 7.60; 7.75 @ 7.85; 8.00 @ 8.10; 8.25 @ 8.35; 8.50 @ 8.60; 8.75 @ 8.85; 9.00 @ 9.10; 9.25 @ 9.35; 9.50 @ 9.60; 9.75 @ 9.85; 10.00 @ 10.10; 10.25 @ 10.35; 10.50 @ 10.60; 10.75 @ 10.85; 11.00 @ 11.10; 11.25 @ 11.35; 11.50 @ 11.60; 11.75 @ 11.85; 12.00 @ 12.10; 12.25 @ 12.35; 12.50 @ 12.60; 12.75 @ 12.85; 13.00 @ 13.10; 13.25 @ 13.35; 13.50 @ 13.60; 13.75 @ 13.85; 14.00 @ 14.10; 14.25 @ 14.35; 14.50 @ 14.60; 14.75 @ 14.85; 15.00 @ 15.10; 15.25 @ 15.35; 15.50 @ 15.60; 15.75 @ 15.85; 16.00 @ 16.10; 16.25 @ 16.35; 16.50 @ 16.60; 16.75 @ 16.85; 17.00 @ 17.10; 17.25 @ 17.35; 17.50 @ 17.60; 17.75 @ 17.85; 18.00 @ 18.10; 18.25 @ 18.35; 18.50 @ 18.60; 18.75 @ 18.85; 19.00 @ 19.10; 19.25 @ 19.35; 19.50 @ 19.60; 19.75 @ 19.85; 20.00 @ 20.10; 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147.75 @ 147.85; 148.00 @ 148.10; 148.25 @ 148.35; 148.50 @ 148.60; 148.75 @ 148.85; 149.00 @ 149.10; 149.25 @ 149.35; 149.50 @ 149.60; 149.75 @ 149.85; 150.00 @ 150.10; 150.25 @ 150.35; 150.50 @ 150.60; 150.75 @ 150.85; 151.00 @ 151.10; 151.25 @ 151.35; 151.50 @ 151.60; 151.75 @ 151.85; 152.00 @ 152.10; 152.25 @ 152.35; 152.50 @ 152.60; 152.75 @ 152.85; 153.00 @ 153.10; 153.25 @ 153.35; 153.50 @ 153.60; 153.75 @ 153.85; 154.00 @ 154.10; 154.25 @ 154.35; 154.50 @ 154.60; 154.75 @ 154.85; 155.00 @ 155.10; 155.25 @ 155.35; 155.50 @ 155.60; 155.75 @ 155.85; 156.00 @ 156.10; 156.25 @ 156.35; 156.50 @ 156.60; 156.75 @ 156.85; 157.00 @ 157.10; 157.25 @ 157.35; 157.50 @ 157.60; 157.75 @ 157.85; 158.00 @ 158.10; 158.25 @ 158.35; 158.50 @ 158.60; 158.75 @ 158.85; 159.00 @ 159.10; 159.25 @ 159.35; 159.50 @ 159.60; 159.75 @ 159.85; 160.00 @ 160.10; 160.25 @ 160.35; 160.50 @ 160.60; 160.75 @ 160.85; 161.00 @ 161.10; 161.25 @ 161.35; 161.50 @ 161.60; 161.75 @ 161.85; 162.00 @ 162.10; 162.25 @ 162.35; 162.50 @ 162.60; 162.75 @ 162.85; 163.00 @ 163.10; 163.25 @ 163.35; 163.50 @ 163.60; 163.75 @ 163.85; 164.00 @ 164.10; 164.25 @ 164.35; 164.50 @ 164.60; 164.75 @ 164.85; 165.00 @ 165.10; 165.25 @ 165.35; 165.50 @ 165.60; 165.75 @ 165.85; 166.00 @ 166.10; 166.25 @ 166.35; 166.50 @ 166.60; 166.75 @ 166.85; 167.00 @ 167.10; 167.25 @ 167.35; 167.50 @ 167.60; 167.75 @ 167.85; 168.00 @ 168.10; 168.25 @ 168.35; 168.50 @ 168.60; 168.75 @ 168.85; 169.00 @ 169.10; 169.25 @ 169.35; 169.50 @ 169.60; 169.75 @ 169.85; 170.00 @ 170.10; 170.25 @ 170.35; 170.50 @ 170.60; 170.75 @ 170.85; 171.00 @ 171.10; 171.25 @ 171.35; 171.50 @ 171.60; 171.75 @ 171.85; 172.00 @ 172.10; 172.25 @ 172.35; 172.50 @ 172.60; 172.75 @ 172.85; 173.00 @ 173.10; 173.25 @ 173.35; 173.50 @ 173.60; 173.75 @ 173.85; 174.00 @ 174.10; 174.25 @ 174.35; 174.50 @ 174.60; 174.75 @ 174.85; 175.00 @ 175.10; 175.25 @ 175.35; 175.50 @ 175.60; 175.75 @ 175.85; 176.00 @ 176.10; 176.25 @ 176.35; 176.50 @ 176.60; 176.75 @ 176.85; 177.00 @ 177.10; 177.25 @ 177.35; 177.50 @ 177.60; 177.75 @ 177.85; 178.00 @ 178.10; 178.25 @ 178.35; 178.50 @ 178.60; 178.75 @ 178.85; 179.00 @ 179.10; 179.25 @ 179.35; 179.50 @ 179.60; 179.75 @ 179.85; 180.00 @ 180.10; 180.25 @ 180.35; 180.50 @ 180.60; 180.75 @ 180.85; 181.00 @ 181.10; 181.25 @ 181.35; 181.50 @ 181.60; 181.75 @ 181.85; 182.00 @ 182.10; 182.25 @ 182.35; 182.50 @ 182.60; 182.75 @ 182.85; 183.00 @ 183.10; 183.